

1928

ERNST RUSKA (1906-1988) and MAX KNOLL, using magnetic fields to "focus" electrons in a cathode-ray beam produced a crude instrument that gave a magnification of 17 and by 1932, then developed an electron microscope having a magnification of 400.

Dec 23, 1928

The National Broadcasting Co.
set up a permanent, Coast-to-Coast
network

Jan. 10, 1928

The Soviet Union ordered the
exile of Leon Trotsky.

Nov 18, 1928

The first successful sound-synchronized animated cartoon, Walt Disney's "Steamboat Willie" starring Mickey Mouse premiered in New York.

Dec 13, 1928

Serge Sershwin's musical
work "An American in Paris"
had its premiere at Carnegie
Hall in New York.

Dec 11, 1928

Police in Buenos Aires thwarted
an attempt on the life of
President Elect Herbert Hoover.

1978

Development of the
200 in. telescope
began in 1978
with a 6 million dollar
grant.

It took 2 yrs to build.
Installed on Mt Palomar
Observatory in Cal.

1929

Killogg-Briand Pact, outlawing
war, was signed in Paris
by 65 nations.

Richard E. Byrd started for
Antarctica - Returned 1930

1928

Cable Television was
pioneered by Scottish
inventor John L. Baird
(1888-1946)

1428-29

U.S. explorer Richard E. Byrd
(Oct 25, 1888 - Nov. 11, 1957)
established Little America
in Antarctica

1928

HIROHITO who became emperor
of Japan in 1928 was No. 124
in the long line of emperors
since the time of Jimmo.
He was the 1st ruler of Japan
JIMMO TENNO

The belief that the Japanese emperor
is a god, although it was not a
religion in the beginning became one

It is called SHINTO which means.
"the way of the gods".

Sept 27, 1928

The United States said it was
recognizing the Nationalist
Chinese Government,

1938

George Ellery Hale started work on the 200-inch telescope on Mt. Palomar ~~in~~.

A perfect 200-inch pyrex disk was finally cast late in 1934 and cooled for nearly a year. 20-Inch disk shipped by flatcar to Pasadena. for 11 years of grinding and polishing.

1928

Commercial goods began to pile up in warehouses as consumers tightened their belts.

Real estate prices began to fall.

Banks took on debt that was far greater than their worth.

1928

The first television
pictures were transmitted
FELIX THE CAT

Nov 6, 1928

In a first, the results of Herbert Hoover's election victory over Alfred E. Smith were flashed onto an electric sign outside the New York Times building.

Dec 10, 1928

Hirohito was enthroned as
Emperor of Japan

Oct 22, 1928

Republican Presidential
nominee Herbert Hoover spoke
of the "American system of
rugged individualism" in
a speech at New York's
Madison Square Garden.

1928

Penicillin, the first antibiotic was discovered in 1928 by accident. A shallow glass dish for bacteriological experiments was left uncovered unintentionally by Alexander Fleming in his laboratory in England. An experimenter upstairs was careless with the mold he was using and some drifted through an

an open window and landed in
Fleming's uncovered staphylococci
culture. The following day, the
Scottish bacteriologist found in the
dish a clear area where the
penicillin in the mold had been
killing the bacteria.

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Nov. 6, 1928

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1928

IRON LUNG

(Drunka Respirator)

First introduced in 1928
by American inventor Philip
Drunka (1887-)

1928

Dirac electron theory
formulated, 1928, by English
physicist Paul A. Dirac (1902-)

Jan 10, 1928

The Soviet Union ordered the
exile of Leon Trotsky.

Dec 13, 1928

Serge Bereshwin's musical
work "An American in Paris"
had its premiere at Carnegie Hall
in New York.

June 18, 1928

Aviator Amelia Earhart became the 1st woman to fly across the Atlantic Ocean as she completed a flight from New Foundland to Wales.

June 17, 1928

A Melia Earhart embarked on
a trans-Atlantic flight
from Newfoundland to Wales - the
first by a woman.

Aug 27, 1928

The Kellogg-Briand Pact was signed in Paris, outlawing war and providing for the peaceful settlement of disputes.

Aug 19, 1929

The Comedy program "Amos & Andy" starring Freeman Gosden and Charles Correll, made its debut on NBC radio.

1928

Scottish Engineer John Baird
built a working color television
in 1928

It was a Hungarian-American
inventor Peter Carl Goldmark
who, in 1940, developed the first
color-television system to be used
commercially.

Aug 22, 1928

The first news event to be televised was the nomination of Alfred E. Smith for the presidency in Albany, N.Y. on Aug. 22, 1928.

The program was transmitted by Schenectady's WGY.

The 1st regular news reports were 15-minute daily programs

transmitted over New York's
WCBS and WNBC, beginning
in July 1, 1941

1928-1953

Joseph Stalin exiled millions of people - dissidents, ethnic minorities, prisoners of war, and common criminals - to detention camps in the far eastern wilderness. They were forced to build towns, factories, dams, pipelines and dig mines and log the forest.

South of NIKOLAYEVSK
near Amur R. (its mouth) Stalin

was building a ~~secret~~ secret railroad
tunnel from Soviet mainland under
the TATAR Strait to SAKHALIN Island
and thus tie together his empire.

1950- more than 5,700 prisoners were
conscripted to dig the 7 mi long tunnel
In 1953, the project was cancelled
when Stalin died

Nov 18, 1928

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1928

Amelia Earhart becomes
1st woman to fly
the Atlantic.

1928

Alexander Fleming
discovered 1st Antibiotic -
Penicillin

1928

per Hist.

France

death of Theodora Reinach

Dec 21, 1928

HOOVER DAM

U.S. Pres. Herbert Hoover authorized
Dec 21, 1928, dam to be built
on Colorado River on the Arizona -
Nevada boundary.

1931-1936 - Built

1933-1947 - named Boulder Dam.

Aug 27, 1928

Kellogg - Briand Pact (Pact of Paris)

U.S. Sec. of State Frank B.

Kellogg (Dec 22, 1857 - Dec 21, 1937)

and French Foreign Minister

ARISTIDE BRIAND (Mar. 28, 1862 -

Nov 1, 1932) negotiated antinuclear
pact, agreeing to arbitration
to settle international
differences Aug 27, 1928

Dec 11, 1928

Police in Buenos Aires, Argentina
thwarted an attempt on the
life of Pres.-elect Herbert Hoover

1928

Ernst Ruska (1906-1988) and
Max Knoll, using magnetic field
to "focus" electrons in a Cathode-ray
beam produced a crude ~~electron~~^{instrument}
~~microscope~~ that gave a magnification
of 17

By 1932 they developed an electron microscope
having a magnification of 400
By 1937 James Hella (b-1915) advanced

this magnification to 7,000.

By 1939 Vladimir Zworykin (1889-1982) developed an instrument giving 50 times more detail than any optical microscope ever could, with magnification up to 2 million.

For 1st time, scientists could see the molecules of cell structures, proteins, and VIRUSES.

1928

Penicillin

British bacteriologist Sir Alexander Fleming (1881-1953) discovered the bacteria killing property of penicillin in 1928. Fleming noticed no bacteria grew around bits of *Penicillium notatum* FUNGUS that accidentally fell into a bacterial culture in his laboratory.

1941 Dr. Howard Florey (1878-1968) purified

and tested it

1928

Russia

Beginning of Jewish settlement
in BIRDOBIZHAN

1928

America

For Hesh

YESHIVA College opened

1928

Penicillin was discovered
but only available in
small amounts.

1928

Differential Analyzer
Developed 1928 by American
scientist Vannevar Bush
(1890 - 1974); forerunner
of Computer.

1928

1,836 people killed in Florida
hurricane

1928

Penicillin was discovered
Was ~~more~~ produced in
WW II.

1928

Penicillin discovered

1928 → 1953

Joseph Stalin sent 17 to 25 M
(or more) to labor camps from
1928 until his death in 1953

1928

Jerusalem

As thousands of Jews immigrate to Palestine, the mufti, Jerusalem's Muslim leader, declares that the Jews intend to take possession of al-Aqsa Mosque. In 1929 riots erupt, leaving 133 Jews and 116 Arabs dead.

1928

The Nationalist Government
of China adopted the Gregorian
Cal.

1928

Unnamed Hurricane hit
West Indies & Florida. 4000 died